Connectivity

11

Infrared

Before Using Infrared

Transfer Phone Book/Calendar events, messages, bookmarks and Data Folder files wirelessly between handset and compatible devices, including PCs and other mobiles.

- 941P infrared function is based on IrMC1.1, however, some IrMC1.1-based device transmissions may not be transmitted/received within specification.
- Debris may inhibit infrared transfers; clean infrared ports with a soft cloth beforehand.
- Direct sunlight/fluorescent light may inhibit transfers.
- Align infrared ports within 20 cm of one another and make sure no objects are placed between them. Do not move the devices until transfer is complete.

Within 20 cm

Infrared Port
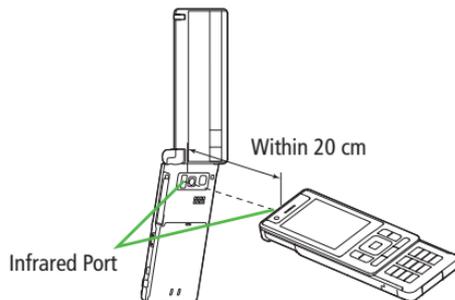
Transferable Files

Condition Transferable file	One file	All files
Phone Book (Account Details)	○	Up to 1000
Calendar events[1]	○	Up to 1000
Tasks	○	Up to 100
Received message	○	Up to 3000
Sent message	○	Up to 1000
Drafts	○	Up to 10
Notepad	○	Up to 20
Ring Songs&Tones	○	—
Still image[2][3]	○	—
Video[3]	○	—
Bookmark (Yahoo! Keitai, PC Site Browser)	○	Up to 100 each
Widget[3]	○	—

○: Transferable   —: Not transferable

[1] Saved Holidays/Memorial days not transferable

[2] Including Flash® files

[3] Multiple files transferable

Note

- Following files cannot transfer:
  - Files prohibited for transfers from 941P
  - Phone Book entries and SMS on USIM Card
- If memory becomes full, remaining entries are truncated (Memory List: P.19-25).

One/Multiple File Transfer

● Transferable Files: ☞P.11-2

Sending

1 Highlight a file, and follow the steps below

Files to Send	Operation/Description
Phone Book	> [Y][Menu] → *Send Ir data* → *Send phonebook*
Account Details	> [■][Ir]
Messages	> [Y][Menu] → *Send Ir data* → *Send This*
Bookmarks	> [Y][Menu] → *Send to ExtrnlDvcs* → *Send Ir data* → *Send This*
Still Images/ Videos/ Widgets	> [Y][Menu] → *Send Ir data* ● To send multiple files: [Y][Menu] → *Multiple-choice* → Select files to send → [Y][Menu] → *Send Ir data*
Other Files	> [Y][Menu] → *Send Ir data*

2 *YES*

Receiving

Main Menu ▶ Tools ▶ Receive via Infrared ▶ Receive

1 When a file is received, *YES*

Send files from sender side within 30 seconds.

● To receive subsequent files, select *YES*.

All File Transfers

Precaution

● Receiving all files overwrites all saved files including secret/protected files.
● Sending all Phone Book entries transfers Account Details as well. User-saved Account Details is overwritten on receiving handset (handset number remains).

Session Number

Session number (4 digits) is required for all file transfers via Infrared and IC transmission. Sender and recipient must enter same Session number to complete transfers.

Sending

1 Highlight a file, and follow the steps below

Files to Send	Operation/Description
Phone Book	[Y][Menu] → *Send Ir data* → *Send all phonebook*
Messages	[Y][Menu] → *Send Ir data* → *Send All*
Bookmarks	[Y][Menu] → *Send to ExtrnlDvcs* → *Send Ir data* → *Send All*
Other Files	[Y][Menu] → *Send all Ir data*

2 Enter Phone Password → Enter Session number → *YES*

Recipient must enter the same Session number to start transfers.

Receiving

Main Menu ▶ Tools ▶ Receive via Infrared ▶ Receive All

1 Enter Phone Password → Enter same Session number as sender's → **YES** → **YES**

Saved files are deleted, and transfer starts.

IC Transmission

Exchange files with another IC compatible handset using reader/writer function.

● Type of files and transfer conditions are same as those for infrared file transfer (☞P.11-2).
 Multiple file transfer is not available.
● IC transmission is not available when **IC Card Lock** (☞P.13-12) is activated.
● When receiving dada, end all active functions.
● If there is difficulty in file transfer, move a 𝄞 logo close to or away from the other logo or move each side up, down, left, or right.
● Data cannot be sent during charging battery.
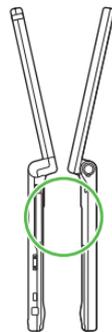
Align 𝄞 logos of both handsets

One File Transfer

Before Receiving a File
- **Receive IC Datum** is set to **ON** by default. When **Receive IC Datum** is **OFF**, One File Transfer is unavailable.
- To set **Receive IC Datum** on:
Main Menu ▶ Tools or **S! Appli ▶ Osaifu-Keitai**
▶ **IC Card Settings ▶ Receive IC Datum ▶ ON** or **OFF**

Sending

1 Highlight a file, and follow the steps below

Files to Send	Operation/Description
Phone Book	> [Y][Menu] → **IC transmission** → **Send phonebook**
Account Details	> [⚬][ICtrans]
Messages	> [Y][Menu] → **IC Transmission** → **Send This**
Bookmarks	> [Y][Menu] → **Send to ExtrnlDvcs** → **IC transmission** → **Send This**
Other Files	> [Y][Menu] → **IC transmission**

2 **YES**

Receiving

1 Align 🔁 logo on sender side with 941P (recipient) → **YES**

All File Transfers

- Precautions/Session number (☞P.11-3)

Sending

1 Highlight a file, and follow the steps below

Files to Send	Operation/Description
Phone Book	> [Y][Menu] → **IC transmission** → **Send all phonebook**
Messages	> [Y][Menu] → **IC Transmission** → **Send All**
Bookmarks	> [Y][Menu] → **Send to ExtrnlDvcs** → **IC transmission** → **Send All**
Other Files	> [Y][Menu] → **AllIC transmission**

2 Enter Phone Password → Enter Session number → **YES**
Recipient must enter the same Session number to start transfers.

Receiving

1 Align 🔁 logo on sender side with 941P (recipient)

2 **YES** → Enter Phone Password → Enter same Session number as sender's
Saved files are deleted. Transfer starts.

Bluetooth®

Connect handset to Bluetooth® devices to use functions below.

Function	Device	Description
Handsfree Calls (☞P.11-10)	Headsets Handsfree devices	Talk handsfree on handset
Wireless Playback (☞P.11-10)	Audio devices	Play back sounds (Digital TV/Video) or music (Music Player) wirelessly from external speaker
Internet Connection (☞P.11-10)	PC	Use handset as a modem for wireless internet connection.
Sending/Receiving Phone Book (☞P.11-9)	PC Handsets	Send/receive Phone Book entries wirelessly

Tip ●

Settings ●Stop Ringtone Output to Headset/Handsfree Device ●Continue Calls on Handset when Bluetooth® is Disconnected from Headset/Handsfree Device ●Always Make Calls from Handset even when Headset is Connected ●Always Use Handsfree Device to Make/Receive Calls (☞P.18-20)

Before Using Bluetooth®

Bluetooth® Specifications

Version	Bluetooth® specification Ver.2.0+EDR
Supported Profiles[1]	HSP: Headset Profile HFP: Hands-Free Profile A2DP: Advanced Audio Distribution Profile AVRCP: Audio/Video Remote Control Profile DUNP: Dial-up Networking Profile OPP: Object Push Profile
Output	Bluetooth® Power Class2
Frequency Bands[2]	2.4GHz (2.402GHz-2.480GHz)
Communication Distance[3]	Approximately ten meters

[1] Bluetooth® connections are available with compatible devices supporting the same profile.
[2] Bluetooth® operates in the 2.4 GHz unlicensed frequency band. Depending on other devices in use in the spectrum, Bluetooth® connection may slow down/terminate, or range may decrease.
[3] Affected by distance between devices, obstructions, signal conditions, handset status, etc.

Notes

● Bluetooth® connection is not guaranteed with all Bluetooth® devices.
● Establish connections with certified Bluetooth® devices that meet the specification standards developed by Bluetooth® SIG.
● Due to the unique characteristics/specifications of a certified Bluetooth® device, connections or transfers may fail; procedures, displayed results or operations may vary from those described in the manual.
● When data transfer is interrupted, it may take some time for process to complete.
● Noise may interfere with wireless or handsfree conversations depending on the status of connected devices or signal conditions.
● For details about headset/handsfree devices, see the device manuals.
● Bluetooth® and Wi-Fi are not simultaneously available.

Radio Wave Interference with Wi-Fi Devices

Bluetooth® and Wi-Fi devices (IEEE802.11b/g) share the same frequency band (2.4GHz). Use of both devices in close proximity may cause interference, affecting transmission speed, clarity or connection quality. If interference occurs:
● Maintain at least 10 m between Bluetooth® and Wi-Fi devices.
● Turn off Wi-Fi device when using Bluetooth® device within a 10 m radius.

Using Bluetooth®

Pair Bluetooth® devices with handset beforehand to establish connections for different Bluetooth® functions.

Searching & Pairing Devices

Search other Bluetooth® devices.
Paired devices appear in Search&Paired Device list.
● Bluetooth® Passkey is not necessary for paired devices.
● Search up to 20 Bluetooth® devices at one time; pair with up to ten Bluetooth® devices.
● Place Bluetooth® devices on standby for connection.

Main Menu ▶ Tools ▶ Bluetooth ▶ Search&Paired Device

1 **YES** *

Device search starts and names of found devices appear.
● To search again: **[Search]**
* If there are already paired devices in list, select a device → Select a function

2 Select a device → **YES** → Enter Phone Password

3 Select text entry field → Enter Bluetooth® Passkey

4 Select a Bluetooth® function

Handset connects to Bluetooth® device. When complete, 🕸 flashes in blue. After no Bluetooth® connection is made for a certain time, 🕸 appears in black and Power saver mode starts.

- When Bluetooth® device can connect to multiple services, confirmation appears asking whether to connect to another service.
- While connected, 📶 (Blue) appears. While in Standby, 📶 (Gray) appears.
- When **Dial-up** is selected, handset stands by for connection requests from other Bluetooth® devices.
- **Dial-up** can be selected regardless of profile types.

Bluetooth® Passkey

Bluetooth® Passkey (1 to 16 digits) is required to connect Bluetooth® devices; sender and recipient must input the same code to complete file transfers.

- Bluetooth® Passkey is not necessary for paired devices.

■ **Search&Paired Device List**
❶ **Device Type**
Indicators appear for different types of devices.
❷ **Device Name**
Device names appear.
When no names are found, Bluetooth® addresses appear.

Search&Paired Device

❸ **Connection Status**
●: Connected ○: Not connected ✕: Not found NEW: Not paired
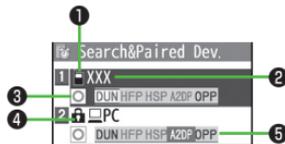
❹ **Protection**
Indicator appears when registered contents are protected.

❺ **Profile Status**
Indicators appear to show profile status.

Icon	Letter Color	Background Color	Frame Color	Status
HSP	Blue	Gray	–	Not connected (Not paired)
HSP	Blue	Gray	Blue	Not connected (Paired)
HSP	White	Green	–	Connected
HSP	Green	White	Green	Standby for connection
HSP	White	Light green	–	Preferred device
HSP	Gray	Gray	–	Not supported

Tip •

Settings ●Set Duration to Search for Bluetooth® Devices (☞P.18-20)

Suspending Bluetooth® Functions

Suspend all Bluetooth® functions connected or on standby for connection, and disable Bluetooth®.

Main Menu ▶ Tools ▶ Bluetooth

1 Bluetooth OFF → YES

- To return to standby for previously connected function: **Bluetooth ON**

Placing Bluetooth® Devices on Standby for Connection

Main Menu ▶ Tools ▶ Bluetooth ▶ Accept Registered

1 Check functions to be on standby for connection →
[✉][**Finish**]

● To uncheck, select functions to remove check marks.

Sending/Receiving Phone Book

Sending

1 Open Phone Book → [Y][**Menu**] →
Send to Bluetooth

2 **One File Transfer**
Send phonebook → Select a recipient device

All File Transfer
Send all phonebook → Select a recipient device →
Enter Phone Password

3 **YES**

Receiving

Main Menu ▶ Tools ▶ Bluetooth ▶ Receive via Bluetooth

1 **One File Transfer**
Receive → **YES**

All File Transfer
Receive All → Enter Phone Password → **YES** → **YES**

● If memory becomes full, remaining entries are truncated (Memory List: ☞P.19-25).

Tip ●

Settings ●Set Authentication/Encryption to Send Phone Book Entries
●Enter Password when Sending All Phone Book Entries
(☞P.18-20)

Bluetooth® Functions

From ▶ **Main Menu ▶ Tools ▶ Bluetooth**

■ **Functions Available in Search&Paired Device Window**
> **Search&Paired Device** → [Menu] → Select an item (See below)

Item	Operation/Description
Register devices	> Enter Phone Password → Pair devices (From Step 3 on P.11-7)
Preferred device	Set a preferred Bluetooth® device for incoming calls ● Available only for headset function compatible Bluetooth® devices. ● To cancel, perform same operation.
Protect/ release	Protect/cancel devices. Protection prevents devices from being deleted or overwritten
Change device name	> Enter a device name
Delete	> **YES**
Description	Show device name, Bluetooth® address, device class and supported profile
Add shortcut icon	Create shortcuts (P.1-25)

■ **Use Bluetooth® Headsets for Calls**
> **Search&Paired Device** → Select a device → **Headset** or **Hands-free**
→ **YES** → Make/receive a call using Bluetooth® device

■ **Use Bluetooth® Device for Listening to Music**
> **Search&Paired Device** → Select a device → **Audio** → Watch Digital TV or play back videos or music
● Digital TV/Video sounds are played only by A2DP profile compatible Bluetooth® devices compliant with SCMS-T copyright protection standard.

■ **Use Handset as Modem for Internet Access from PCs**
> **Search&Paired Device** → Select a device → **Dial-up**
● Handset waits for dial-up connection.
● Refer to a manual for Bluetooth® device for details.
  Download utility software (941P) "Modem Wizard" from website below to PC and install software.
  http://panasonic.jp/mobile/support/download/941p/index.html
● To establish a dial-up connection, see Help on "Modem Wizard."
● Connecting handset to a PC or PDA for Internet access may incur high packet transmission charges.

■ **Place Bluetooth® Device on Standby for Dial-up**
> **Dialup Rgstry Standby** → Enter Phone Password → **YES** → Select Bluetooth® Passkey text box → Enter Bluetooth® Passkey

Wi-Fi

Use wireless LAN (Wi-Fi) for Internet connection via home/public Wi-Fi networks enabling high-speed internet access.

● 941P Wi-Fi function supports IEEE802.11b/g.
● Separate subscription is required.
● For details on available access points and public wireless LAN, visit http://panasonic.jp/mobile/softbank/941p/function/wifi.html

Before Using Wi-Fi

Notes

Wi-Fi connection may automatically switch to 3G depending on signal condition. Note that packet transmission fees are incurred. (To set confirmation to appear when switching: 山P11-16)

● Wi-Fi connection is not guaranteed with all Wi-Fi devices.
● Bluetooth® and Wi-Fi are not simultaneously available.
● S! Mail/SMS function unavailable via Wi-Fi.
● Accidental data loss/information leakage may occur during Wi-Fi transmission. Use security settings (山P.11-14).
● Wi-Fi is disconnected when Backlight turns off; turn Backlight on to re-connect to the network.
● Wi-Fi is not available while abroad.

Radio Wave Interference with Bluetooth® Devices

Bluetooth® and Wi-Fi devices (IEEE802.11b/g) share the same frequency band (2.4GHz). Radio wave interference occurs if Bluetooth® and Wi-Fi devices are used in close proximity, causing low transmission speed, noise or poor connection. If interference occurs, take the following measures:

● Keep 10 m or more between Bluetooth® and Wi-Fi devices.
● Turn off Bluetooth® device when using Wi-Fi device within a radius of less than 10 m.

Getting Started

Checking Information

- **Access point information varies by access point.**
- **Security information may be required.**

▼

Access Point Registration/Connection

Complete access point registration/connection.

▼

Starting Transmission

Transmission is enabled once handset comes into Wi-Fi range.
- **Wi-Fi status indicators:** ☞**P.11-13**

Enabling/Disabling Wi-Fi

1 Press and hold (■/⌒)

Wi-Fi status indicator appears (☞P.11-13).

Note
- Alternatively, switch Wi-Fi on/off from **Main Menu ▶ Tools ▶ Wi-Fi ▶ ON/OFF**

Registering/Connecting to Access Points

Following methods are available for registering/connecting to access points.

Search/ Setting	Search access points for registration/connection.
Manual Setting	Manually register/connect to access points.
AOSS	Use AOSS™ (AirStation™ One-Touch Secure System) for registration/connection. For AOSS™-compatible access points, press AOSS button on access point device for automatic setup.
BB mobilepoint	Register to BB mobilepoint and set as access point. ● The BB mobilepoint profile is saved to handset by default. For details on BB mobilepoint, visit http://tm.softbank.jp/english/consumer/wlan/index.html

- Register up to 10 access points.
- User ID and password is required for connecting to pre-registered access points (Public Wi-Fi Setting: ☞P.11-14).
- For setting/operating access point devices, refer to device manual.
- **Wi-Fi connection is not available when access point channel is set to 12-14 ch and stealth mode.**

Note
- Alternatively, search and register access point from **Main Menu ▶ Tools ▶ Wi-Fi ▶ Access Point Search**. Registration is available after connection.
- Pre-registered access points may be deleted from Profile List if another USIM Card is inserted. BB mobile point can be easily reconfigured (☞P11-15).

Access Point Search

Main Menu ▶ Tools ▶ Wi-Fi ▶ Profile Lists/Settings

1 **[Y⁷][Menu] → New Profile → Search&Setting**

Select **YES** when prompted to turn Wi-Fi **ON**.
List of available access points appears.
● To search again: [☒]**[Search]**

2 Select an access point

3 **[●][Store] → YES**

Handset registers access point.

4 **[●][CNCT] → YES**

Handset connects to access point.

■ Access Point List

Wi-Fi Status Indicators
　　Wi-Fi ON (out of range)
　　* Wi-Fi ON (within range)
　　* During Wi-Fi transmission

* Number of blue arches indicates signal strength.

❶ **Access Point Name**
　Detected SSID (ESSID) appears.
　Access point name appears for
　a registered access point.
❷ **Registered Networks**
　　: Registered (not connected)
　　: Registered (connected)
❸ **Signal Strength**
　Signal status appears.
❹ **Security Status**
　Security status appears.
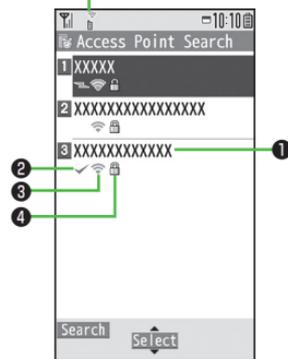
Access Point List

Manual Registration/Connection

Check respective access point information (SSID, security/encryption type, encryption key) in advance. For details on access point devices, refer to respective manuals.

Main Menu ▶ Tools ▶ Wi-Fi ▶ Profile Lists/Settings

1 ⎣Y⎦**[Menu]** → **New Profile** → **Manual Setting**

2 Highlight an item (See below) → ⎣✉⎦**[Edit]**

Item	Operation/Description
Profile Name	＞Enter an access point name
SSID	＞Enter the same SSID (ESSID) as access point
IP Setting	Set IP address and DNS server ＞**IP Address Setting** or **DNS Server Setting** → ⎣✉⎦**[Edit]** → **Automatically** or **Manually** (→ For **Manually**, edit respective items)
Security Setting	Set security/encryption method according to access point ＞Select a security type · **WEP** → Enter WEP key → Select an encryption type → Enter encryption key · **WPA/WPA2-PSK** or **WPA2-PSK** → Select an encryption type → Select an encryption method → Enter encryption key ● To cancel security setting: **Non**

Public W-Fi Setting	Set public wireless LAN on/off ＞**ON** or **OFF** (→ For **ON**, select **ID** or **Password** → ⎣✉⎦**[Edit]** → Enter ID or password) ● Connection with all public wireless LAN services is not guaranteed.

3 ⎣●⎦**[Store]** → **YES**

Handset registers access point.

4 ⎣●⎦**[CNCT]** → **YES**

Handset connects to access point.

Registration/Connection Using AOSS™

● For details on access point device operations, refer to access point device manual.

Main Menu ▶ Tools ▶ Wi-Fi ▶ Profile Lists/Settings

1 ⓔ[AOSS]

● Select **YES** to register/connect to an access point after disconnecting from registered access point.

2 Press AOSS button at access point

Press within 120 seconds.
Confirmation appears when setting is complete.

3 ●[Store] ➔ YES

Handset registers access point.

4 ●[CNCT] ➔ YES

Handset connects to access point.

Functions Available for Wi-Fi

■ **Functions Available in Profile List/Setting Window**
> **Main Menu ▶ Tools ▶ Wi-Fi ▶ Profile Lists/Settings**
> ▶ [ʏ][Menu] ▶ Select an item (See below)

Item	Operation/Description
Connect	Connect to a registered access point **> YES**
Change Priority	Change priority for registered access points **>** Select an access point ➔ [◉] to move to target ➔ [●] ➔ [✉][Finish]
New Profile	**>** Select an item · **AOSS** (⤴From Step 2 (Left)) · **Search&Setting** (⤴From Step 2 on P.11-13) · **Manual Setting** (⤴From Step 2 on P.11-14)
New BB mobilepoint	Enter user ID/password to register BB mobilepoint **>** Select an item ➔ [✉][Edit] ➔ Enter user ID/password ➔ [●][Store]
Edit	**>** Edit items
Copy	Copy registered access point
Delete	**>** Select an item · **Delete this** ➔ **YES** · **Delete selected** ➔ Check access points ➔ [✉][Finish] · **Delete all** ➔ Enter Phone Password ➔ **YES**

■ **View Connection Status**
> **Main Menu ▶ Tools ▶ Wi-Fi ▶ Connection Status**
● To update status: [✉][Update]

■ **Set Confirmation to Appear when Switching between Wi-Fi and 3G**

<Default> OFF

>Main Menu ▶ Tools ▶ Wi-Fi ▶ Wi-Fi/3G Switch Conf.
▶ Switch to Wi-Fi or **Switch to 3G ▶ ON**

■ **View MAC Address**
>Main Menu ▶ Tools ▶ Wi-Fi ▶ MAC Address

SoftBank Utility Software (Japanese)

Phone Book, Calendar, Tasks, messages, Bookmarks, Notepads and Data Folder can be transferred to a PC, edited or managed by using SoftBank Utility Software.

● For details on and downloading SoftBank Utility Software, visit http://www.softbank.jp/mb/r/sbu/ (Japanese)

Note
● USB cable (not included) is necessary for using SoftBank Utility Software.
● S! Appli, PC Movies, TV, Lifestyle-Appli, Books, Customized Screen, Templates, Font and Other Documents cannot be backed up.
● Copy protected files may not be backed up.
● Set **USB Mode** to **Communication Mode** (ピ P.11-17).

USB (Japanese)

Connect handset to a PC via USB cable (not included) specified by SoftBank for data transfer or data communication.

Setting USB Mode

<Default> Communication Mode

Main Menu ▶ Settings ▶ Connectivity ▶ USB Mode

1 Select an item (See below)

Item	Operation/Description
Communication Mode	Packet transmission, 64K data transmission, data transfer and calls with USB handsfree compatible devices are available (☞P.11-16)
microSD Mode	Read/write data on microSD Card (☞P.10-23)
MTP Mode	Transfer/delete music data via Windows Media® Player on PC (☞P.9-4)

Transferring Data via USB Cable

● Transfer data using SoftBank Utility Software (☞P.11-16).
● Transferring data in microSD Mode (☞P.10-23)

Data Communication via USB Cable

Use handset as a modem for Internet access by connecting handset with a PC.

● Download utility software from URL below and install on PC.
http://panasonic.jp/mobile/support/download/941p/index.html

1 Install "USBドライバ (USB Driver)" and "Modem Wizard" from Utility Software (941P) to a PC

2 Set handset to **Communication Mode** (☞Left), and connect handset to PC via USB cable

● Power up handset before connecting to PC via USB cable.

3 Start up "Modem Wizard", and operate communication setup

● "Modem Wizard" enables you to set up APN and dial-up easily. For setup/starting procedures, see "Modem Wizard" Help.

Note

● Connecting handset to a PC or PDA for Internet access may incur high packet transmission fees.

AV Output

View the following on a TV set or other devices using a SoftBank-specified Video Output Cable (not included): Video Call images, Digital TV images, still images/videos saved on 941P.

● View AV-output-compatible S! Appli on TV.

Connecting Handset to TV

● To use Video Output Cable (not included), Stereo Earphone Conversion Cable (not included) is required.

Video Output Cable

Video ◎ — Yellow
Audio L ◎ — White
Audio R ◎ — Red
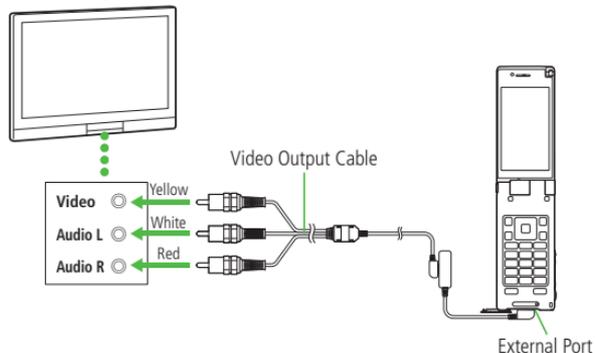
External Port

1 Open External Port Cover

2 Connect Video Output Cable to handset using Stereo Earphone Conversion Cable
  ● To connect Video Output Cable to Stereo Earphone Conversion Cable: ☞P.1-4

3 Connect Video Output Cable to video/audio input terminal on TV set

4 Open an image file on handset
  ● To toggle image size: 🎦

Note
● Some images cannot be displayed on TV.
● Display size setting is not available for some TV sets.